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Approved for use through 10/31/2002. OMB 0651-0032

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.		No.	4041J-000742	<u> </u>
First Inventor Har			uyuki NISHIJIMA et al	707
Title	Heat Ex	22		

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(Only for n	Expre	press Mail Label No. EL 623 486 817 US								
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.					Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
2.	Submit an original ar Applicant clairns See 37 CFR 1.2 Specification preferred arrange Descriptive title of Cross Reference Statement Regar Reference to segor a computer pro Background of the Brief Summary of Brief Description Detailed Description Abstract of the Distract of the Distract of the Distract of the Distract Claim(s)	ment set forth belf the Invention s to Related Appliding Fed sponsor uence listing, a tagram listing appear in the Invention of the Drawings (ion	n ish	7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. ☐ Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. ☐ CD-ROM or CD-R (2 copies); or  ii. ☐ paper  c. ☐ Statements verifying identity of above copies  ACCOMPANYING APPLICATIONS PARTS  9. ☒ Assignment Papers (cover sheet & document(s))  10. ☐ 37 C.F.R.§3.73(b) Statement ☐ Power of (when there is an assignee) Attorney  11. ☐ English Translation Document (if applicable)						
5. Oath or ( a. b. i.	Newly execute Copy from a p	Total Pages 4  opy) (37 CFR 1.63 (d)) with Box 18 completed DR(S) ing inventor(s) see 37 CFR	)   1	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations  13. Preliminary Amendment  14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)  16. Request and Non Publication under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  17. Other:						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner  Group / Art Unit:  For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
			17. CORRESP							
☑ Customer Number or Bar Code Label  2757 (Insert Customer No. or Atte						or 🔲 Correspondence address below				
Name	Harness, Dickey & Pierce, P.L.C.									
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City	Bloomfield Hills State				MI Zip			Code	48303	
Country	United States of America , Telephone				·····			Fax	248-641-0270	
Name (Print/Type) H. Keith Miller, Esq.				Reg	Registration No. (Attorney/Agent) 22,484				22,484	
Signature		NA	Will -					Date	July 11, 2003	

PTO/SB/17 (01-03)
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						Complete if Known							
FEE TRANSMITTAL						Application Number			unassigned yet				
for FY 2003						Filing Date			July 11, 2003				
10111 2000						First N	First Named Inventor			Haruvuki NISHIJIMA et al			
Patent fees are subject to annual revision.						Examiner Name							
□ An	nlicant	claims sr	nall e	entity status	s. See 37 CFR 1	27							
	phodri	Ciairio	Tian C	Titty Status	3. 000 07 01 10		Group	Group / Art Unit					
TOTAL	AMOL	INT OF PA	AYME	NT (\$)	790	-	Attorney Docket No. 4041J-000742						
Γ	ME	THOD OF PA	AYMEN	NT (check all	that apply)		FEE CALCULATION (continued)						
F7 ()					No.		3. ADDITIONAL FEES						
						<u>Large</u>	Large Entity Small Entity						
☐ Depos	it Accou	int:					Fee	Fee	Fee	Fee	Fee Description	Fee Paid	
Depos			-			7	Code 1051	(\$) 130	Code 2051	(\$) 65	• • • • • • • • • • • • • • • • • • • •	ree Paid	
Accour Numbe	Account 08-0750			1051	50	2051	25	Surcharge - late filing fee or oath Surcharge - late provisional filing fee					
Numbe	51	L					"""	••	2002		or cover sheet.		
Depos							1053	130	1053	130	Non-English specification		
Accour Name	nt	Harness, [	Dickey &	& Pierce, P.L.C	•		1812	2,520	1812	2,520	For filing a request for reexamination		
	mission	er is autho	rized 1	to: (check all	that apply)		1804	920*	1804	920°	Requesting publication of SIR prior to Examiner action		
☐ Charge	fee(s) i	ndicated be	low [	Credit any	overpayments ency of this applicat	tion	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
				xcept for the	filing fee		1251	110	2251	55	Extension for reply within first month		
to the above	ve-iaent	ified deposi		Unt. CULATION			1252	410	2252	205	Extension for reply within second month		
	010 511		LOAL	COLATION			1253	930	2253	465	Extension for reply within third month		
Large Enti	ty	ING FEE Small Entity	•				1254	1,450	2254	725	Extension for reply within fourth		
		ee Fee Code (\$)	<u>Fe</u>	e Description	<u>n</u> Fee Pai	d	1255	1,970	2255	985	Extension for reply within fifth month		
		2001 375	i Lit	ility filing fee	750		1401	320	2401	160	Notice of Appeal		
		2002 165	_	esign filing fee	<del></del>		1402	320	2402	160	Filing a brief in support of an appeal		
		2003 260		ant filing fee	<u> </u>		1403	280	2403	140	Request for oral hearing		
		2004 375 2005 80		eissue filing fe rovisional fillin			1451	1,510	1451	1,510	Petition to institute a public use proceeding		
1			• •	01101011011111111	9.00		1452	110	2452	55	Petition to revive – unavoidable		
SUBTOTAL (1) (\$) 750							1453	1,300	2453	650	Petition to revive – unintentional		
2 FYTRA	CLAIN	FEES					1501	1,300	2501	650	Utility issue fee (or reissue)		
2. EXTRA CLAIM FEES  Extra Fee from Fee						1502 1503	470 630	2502 2503	235 315	Design issue fee			
Claims below Paid						1460	130	1460	130	Plant issue fee Petitions to the Commissioner	$\vdash$		
Total Claims	15	-20 **	= [_9	× [	= 0	_	1807	50	1807	50	Processing fee under 37 CFR 1.17 (g)		
Independent Claims	2	-3 **	= 0	x	= 0		1806	180	1806	180	Submission of Information Disclosure Stmt		
Multiple						8021	40	8021	40	Recording each patent assignment per property (times number of	40		
Large Entity   Small Entity					1000	750	2022	275	properties)				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Descri	ption		1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	' L	
1202	18	2202	9	Claims in e			1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))		
1201 1203	84 280	2201 2203	42 140		nt claims in excess o pendent claim, if not			750		075			
1204	84	2204	42	** Reissue	independent claims	-	1801	750	2801	375	Request for Continued Examination (RCE)	<b> </b>	
1207	U-7	1 2207	7-	original pat		00 acd	1802	900	1802	900	Request for expedited examination of a design application		
1205 18 2205 9 "Reissue claims in excess of 20 and over original patent													
							Other f	ee (speci	fy)	-			
SUBTOTAL (2) (\$) 0						*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (5) 40							
**or number previously paid, if greater; For Reissues, see above								,			(\$) 40		
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SUBMITTED BY								_			Complete (if applicable)		
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